WG Storage

Goal: Develop a naming schema that incorporates all essential information, enabling any member of the collaboration to easily identify relevant simulation data for physics and detector studies.

Production Identifier
epic - indicates official simulation production
mdiefent - indicates user simulation

Production Type
full
reco

Beam Species
e for electron
A for ion species

Electron and Ion Beam Energy
10x100
10x100

How to encode the physics process? List MCEG?

Software Release
24.06.3

What else?

WG Storage via XRootD

XRootD ensures **fast and reliable access** for our **simulation files**.

We aim to **explore further uses of the XRootD storage** beyond the simulation campaigns.

Initially, we plan to allocate **dedicated workspace on the XRootD server for the Physics WGs to share files**. These may include HepMC datasets for simulation campaigns or outputs of test simulations, among other use cases.

To obtain write access to the XRootD storage, an email must be sent to the Production WG conveners at srahman1@bnl.gov and tbritton@jlab.org, with an endorsement from a PWG convener.

Write access is considered experimental at this point in time and requires coordination with the Production WG to:

1) Ensure use cases are accommodated efficiently and without disrupting the production campaign lifecycle, and
2) Collaboratively develop a usage policy.

Write access during this initial test phase is temporary and must be re-requested once a formal policy has been established.

WG Storage via XRootD: Documentation

- Contact Production WG to get added to [Comanage Registry](#).

- On any machine running eic-shell:

  - htgettoken -a htvault.jlab.org -i eic
  (Authenticate by web once using CIlogon. Can be renewed from command line from that point onwards.)

  - xrdcp test.txt xroots://dtn2201.jlab.org//eic/eic2/EPIC/xrdtest/

  - xrdfs xroots://dtn2201.jlab.org rm /eic/eic2/EPIC/xrdtest/test.txt